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PROCUREMENT SECTION
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WATER SUPPLY OUTLOOK FOR WASHINGTON

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

DEPARTMENT OF ECOLOGY STATE OF WASHINGTON

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Forest Service, U.S. Geological Survey, National Park Service, and other Federal, State and Private organizations.

AS OF
FEB. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | 204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P. O. Box 970, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82601 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



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WATER SUPPLY OUTLOOK FOR WASHINGTON

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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|||||

Released by

GALEN S. BRIDGE
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SPOKANE, WASHINGTON

In Cooperation with

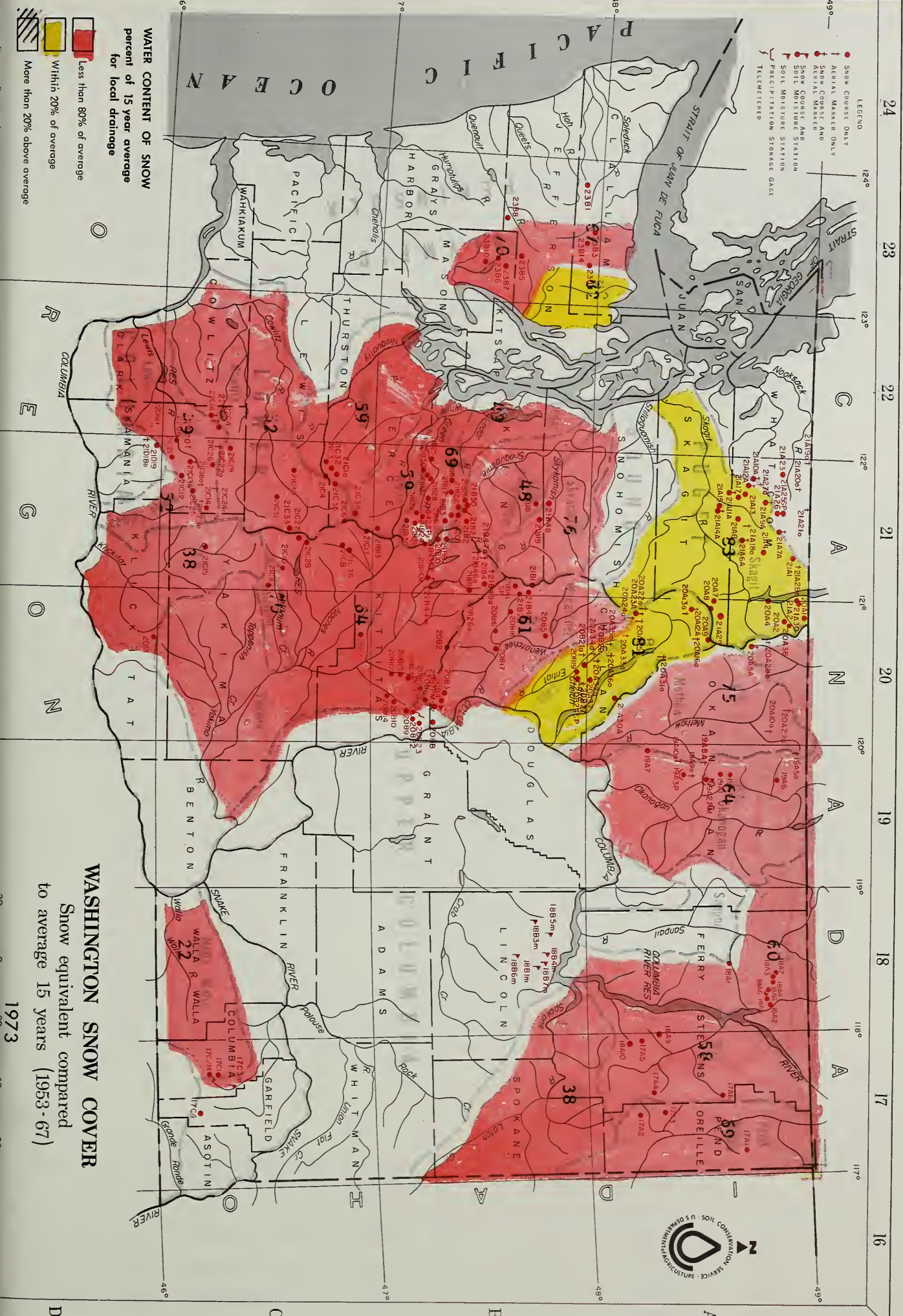
JOHN A. BIGGS
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|||||

Report prepared by

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THE HISTORY OF THE CITY OF BOSTON FROM 1630 TO 1800



[illegible][illegible]

WATER SUPPLY OUTLOOK

State of Washington
February 1, 1973

* * * * *
* The water supply outlook for irrigation and power in Washington is *
* poor for this time of year. Measurements of snow cover as of the *
* first of the month indicate the snow pack to range from 78% below *
* normal for Mill Creek in the Lower Columbia to 17% below for the *
* Skagit River in the northwest corner. A recent storm occurred in *
* the north central part of the state that could have improved this *
* outlook somewhat, but still more snow is needed in all portions of *
* the state if anywhere near normal runoff is to occur this spring. *
* The soil mantle beneath the snow pack is slightly deficient in *
* moisture primarily due to the lack of precipitation during the *
* late fall months. Although September had above normal rainfall *
* over the whole state, October and November were very deficient. *
* A bright spot occurred during December when generally above normal *
* rainfall occurred, but this again was followed by large deficits *
* in January. Reservoir storage is good, primarily due to an excel- *
* lent carry over from last year's surplus water supply. *
* * * * *

SNOW COVER

None of the water sheds in the Upper Columbia Basin have snow packs that closely approach normal, with only one indicating snow cover to be in the 80 to 120% range. Generally speaking, the snow packs this year are the worst for this time of year that we have seen for over ten years. In recent history, in 1963, snow packs were almost as deficient as of February 1 as they are today. In the Upper Columbia Drainage, the Spokane River water shed has the least snow; 32% of last year, 37% of 1971 and 38% of average. The Chelan-Entiat water sheds are the best with the Chelan having a snow cover as of February 1 of 55% of last year, 68% of 1971 and 81% of normal. Along the Lower Columbia, the situation is very grave. Mill Creek, as measured by only two snow courses, has a snow pack that is 78% below normal. The situation improves to the west, but only slightly. The White Salmon River drainage has a snow pack that is 48% below normal. The Puget Sound Drainage generally improves from south to north with a deficient pocket in the Green-Snoqualmie areas. Skagit, having the best snow cover in the state as of February 1, was 43% of last year at this time, 47% of the previous year and 83% of normal. On the Olympic Peninsula, the snow pack is 49% of last year and 73% of average.

RESERVOIRS

In spite of this poor water supply outlook in the snow field, the reservoirs have good amounts of water in storage as of February 1. Most have greater than normal amounts for this time of year. Subsequent precipitation, in the form of snow at higher elevations and rainfall in the valleys, will determine how and if these reservoirs will fill with the spring runoff. Even with expected inflows, there is a possibility of all the irrigation reservoirs not filling.

PRECIPITATION

As reported by the National Weather Service, fall precipitation in the Canadian portion of the basin was 7% greater than normal, but winter precipitation to date has been only 75%. In the Pend Oreille-Spokane drainage, fall precipitation was 31% below normal and to date this winter, 16% below. Along the eastern boundary of Washington, fall precipitation was generally 10% below normal and 15% so far this winter - in the central area, 25% and 20% for the fall and winter periods. West of the Cascades, precipitation has been fairly consistent at 15% below normal.

STREAMFLOW

In spite of the below normal precipitation, river flows during January were above normal on the Columbia River at Birchbank, The Dalles and the Yakima River at Keona. The rest of the streams were slightly below normal, ranging down to the Okanogan, as measured at Tonasket, at 48% below normal. Forecasts of streamflows will not be made until the March 1 Water Supply Outlook.

COMPARISON OF SNOW COVER WITH THAT OF PREVIOUS YEARS

The following tabulation of Washington stream basins presents the water content of the snow about February 1, 1973, as percent of the same date in 1972 and 1971 and average of record.

| Tributary Basin | No. of Courses Average | 1973 Snow Water Expressed as percent of | | |
|-----------------|------------------------------|--|------|--------------|
| | | 1972 | 1971 | 1953-67 Avg. |

UPPER COLUMBIA BASIN

| | | | | |
|--------------|---------|----|----|----|
| Pend Oreille | 7 - 10 | 58 | 56 | 69 |
| Kettle | 12 - 14 | 53 | 53 | 60 |
| Colville | 5 | 56 | 48 | 58 |
| Spokane | 2 - 3 | 32 | 37 | 38 |
| Okanogan | 26 - 32 | 42 | 50 | 64 |
| Methow | 8 - 9 | 47 | 52 | 75 |
| Chelan | 8 - 10 | 55 | 68 | 81 |
| Entiat | 1 - 8 | 55 | 54 | 79 |
| Wenatchee | 8 - 9 | 33 | 40 | 61 |
| Yakima | 18 - 22 | 32 | 39 | 64 |
| Ahtanum | 1 | 37 | 45 | 70 |

LOWER COLUMBIA

| | | | | |
|--------------|---------|----|----|----|
| Mill Creek | 2 | 8 | 16 | 22 |
| Klickitat | 1 | 22 | 19 | 38 |
| White Salmon | 2 | 26 | 28 | 52 |
| Lewis | 17 - 18 | 23 | 25 | 49 |
| Cowlitz | 10 | 26 | 30 | 52 |

PUGET SOUND

| | | | | |
|------------|--------|----|----|----|
| Nisqually | 4 | 29 | 34 | 59 |
| White | 1 | 43 | 43 | 69 |
| Green | 5 - 10 | 22 | 28 | 49 |
| Snoqualmie | 1 | 24 | 30 | 48 |
| Skykomish | 1 - 2 | 43 | 48 | 76 |
| Skagit | 6 - 15 | 43 | 47 | 83 |
| Nooksack | 1 | 50 | 49 | - |

OLYMPIC PENINSULA

| | | | | |
|-----------|---|----|----|----|
| Skokomish | 4 | 50 | 47 | 70 |
| Elwha | 1 | 44 | 49 | 67 |
| Dungeness | 1 | 54 | 61 | 82 |

RESERVOIR STORAGE - 1000 Feet

| BASIN or STREAM | RESERVOIR | USABLE ^{1/} CAPACITY | 1973 | Measured (February) | | |
|--------------------|-------------------------------|----------------------------------|--------|---------------------|--------|---------|
| | | | | 1972 | 1971 | Normal* |
| <u>COLUMBIA</u> | | | | | | |
| Spokane | Coeur d'Alene Lake | 225.1 | 153.3 | 147.3 | 202.5 | 137.0 |
| Columbia | Franklin D. Roosevelt Lake | 5232.0 | 4937.1 | 4420.2 | 5065.6 | 3812.5 |
| Columbia | Banks Lake | 761.8 | 610.7 | 714.9 | 712.2 | 494.0 |
| Okanogan | Conconully Reservoir | 13.0 | 10.8 | 9.1 | 5.3 | 5.6 |
| Okanogan | Salmon Lake | 10.5 | 9.5 | 8.6 | 2.1 | 8.6 |
| Chelan | Lake Chelan | 676.1 | 237.1 | 190.4 | 216.3 | 318.4 |
| <u>YAKIMA</u> | | | | | | |
| Yakima | Keechelus Lake | 157.8 | 98.6 | 137.2 | 97.3 | 92.1 |
| Kaches | Kachess Lake | 239.0 | 193.0 | 156.5 | 175.3 | 172.2 |
| Cle Elum | Lake Cle Elum | 436.9 | 315.9 | 277.1 | 170.1 | 241.1 |
| Bumping | Bumping Lake | 33.7 | 6.7 | 5.0 | 5.3 | 9.9 |
| Tieton | Rimrock Lake | 198.0 | 143.1 | 146.7 | 86.2 | 111.3 |
| <u>PUGET SOUND</u> | | | | | | |
| Skagit | Ross Reservoir | 1202.0 | 997.3 | 822.1 | 895.4 | 956.3 |
| Skagit | Diablo Reservoir | 90.6 | 83.4 | 83.9 | 84.4 | 85.6 |
| Skagit | Gorge Reservoir | 9.8 | 8.2 | 7.8 | 7.9 | - |

^{1/} Based on Active Storage

* 15-year average 1953-67



SOIL MOISTURE - FEBRUARY

| Drainage Basin and Station | Number | Elev. | Profile Depth | (Inches): | Soil Moisture Content | | |
|----------------------------------|--------|-------|------------------|-----------|-----------------------|------|------|
| | | | | Total : | (Inches) as of Feb. 1 | | |
| | | | | Capacity: | 1973 | 1972 | 1971 |
| <u>CRAB CREEK</u> | | | | | | | |
| Jack Woods | 18B3m | 2750 | 48 | 13.6 | 7.7 | 8.0 | 8.9 |
| Krause | 18B4m | 2420 | 48 | 13.6 | 7.0 | 5.6 | 4.9 |
| Sheffels | 18B5m | 2380 | 48 | 13.6 | 7.9 | 7.7 | 5.7 |
| Sherman | 18B7m | 2440 | 48 | 13.6 | 6.7 | 6.4 | 5.5 |
| Wheatridge | 18B6m | 2290 | 48 | 13.6 | 6.2 | 8.1 | 8.9 |
| <u>OKANOGAN</u> | | | | | | | |
| Salmon Meadows | 19A2M | 4500 | 48 | 5.4 | 2.4 | 3.6 | 2.6 |
| Trout Creek | 3-M | 2600 | 48 | 7.3 | 3.4 | 4.0 | 3.3 |
| <u>YAKIMA</u> | | | | | | | |
| Domery Flat | 21B20m | 2200 | 48 | 6.9 | 6.6 | -- | 4.9 |
| Lake Cle Elum | 21B14M | 2200 | 48 | 12.8 | 6.9 | -- | 9.2 |
| <u>WALLA WALLA</u> | | | | | | | |
| Couse | 17C3m | 3650 | 48 | 11.1 | 7.3 | 10.5 | 10.6 |
| Helmerts | 17C2M | 4400 | 48 | 12.0 | 10.7 | 10.6 | 10.9 |
| <u>WENATCHEE</u> | | | | | | | |
| Upper Wheeler | 20B7M | 4400 | 48 | 12.7 | 8.9 | 9.0 | 10.3 |

FALL SOIL MOISTURE

| Drainage Basin and Station | Number | Elev. | Profile Depth | (Inches): | Soil Moisture Content | | |
|----------------------------------|--------|-------|------------------|-----------|-----------------------|------|------|
| | | | | Total : | (Inches) as of Oct. 1 | | |
| | | | | Capacity: | 1972 | 1971 | 1970 |
| <u>CRAB CREEK</u> | | | | | | | |
| Jack Woods | 18B3m | 2750 | 48 | 13.6 | 5.6 | 5.3 | 7.0 |
| Krause | 18B4m | 2420 | 48 | 13.6 | 6.2 | 5.0 | 4.4 |
| Sheffels | 18B5m | 2380 | 48 | 13.6 | 6.5 | 5.3 | 4.4 |
| Sherman | 18B7m | 2440 | 48 | 13.6 | 4.6 | 4.0 | 3.8 |
| Wheatridge | 18B6m | 2290 | 48 | 13.6 | 6.2 | 5.5 | 7.8 |
| <u>OKANOGAN</u> | | | | | | | |
| Salmon Meadows | 19A02M | 4500 | 48 | 5.4 | 2.8 | 2.7 | 1.7 |
| Trout Creek | 3-M | 3600 | 48 | 7.3 | 3.3 | 3.3 | 3.4* |
| <u>YAKIMA</u> | | | | | | | |
| Domery Flat | 21B20m | 2200 | 48 | 6.9 | 4.1 | 2.1 | 2.4 |
| Lake Cle Elum | 21B14M | 2200 | 48 | 12.8 | 8.7 | 7.1 | 7.6 |
| <u>WALLA WALLA</u> | | | | | | | |
| Couse | 17C3m | 3650 | 48 | 11.1 | 6.0 | 6.2 | 5.9 |
| Helmerts | 17C2M | 4400 | 48 | 12.0 | 7.7 | 8.2 | 7.3 |
| <u>WENATCHEE</u> | | | | | | | |
| Upper Wheeler | 20B7M | 4400 | 48 | 12.7 | 5.7 | 6.5 | 5.1 |

* November 1 measurement

PRECIPITATION ^{1/}

Division Averages and Departures

| Drainage Divisions | FALL | | WINTER | |
|--------------------------|---------------------|---------------------------------|-------------------------|-------------------------------------|
| | Sept-Oct Average | 1972 ^{2/} Departure | Nov-Dec 1972 Average | Jan 1973 ^{2/} Departure |
| Columbia in Canada | 4.15 | +0.26 | 6.76 | -2.30 |
| Pend Oreille -Spokane | 2.68 | -1.20 | 10.50 | -1.97 |
| Northeastern Washington | 2.16 | -0.09 | 6.34 | -1.40 |
| Southeastern Washington | 2.35 | -0.30 | 7.40 | -1.02 |
| Central Washington | 3.48 | -0.96 | 17.67 | -2.02 |
| North Central Washington | 1.04 | -0.37 | 3.09 | -1.49 |
| Northwest Slope Cascades | 10.41 | -1.26 | 29.92 | -5.71 |
| Southwest Slope Cascades | 6.56 | -1.16 | 24.01 | -4.14 |

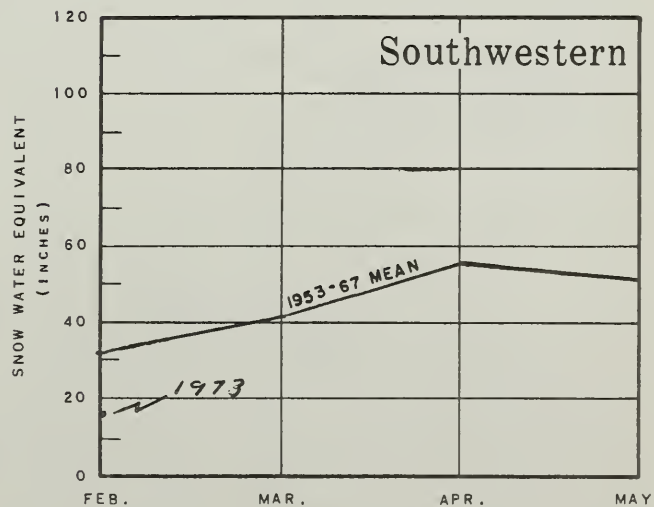
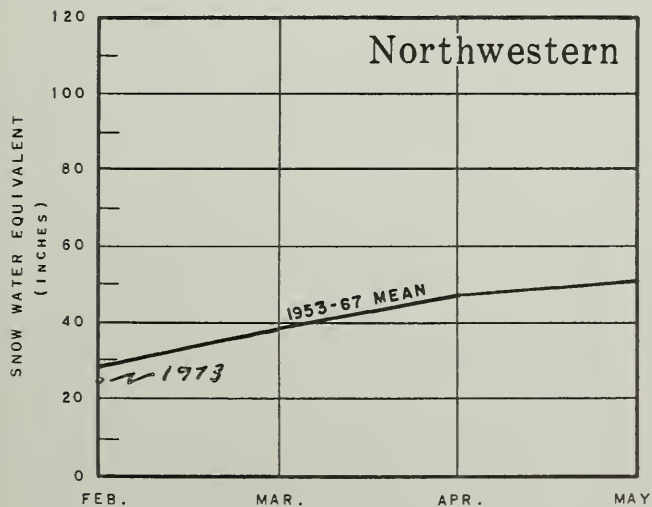
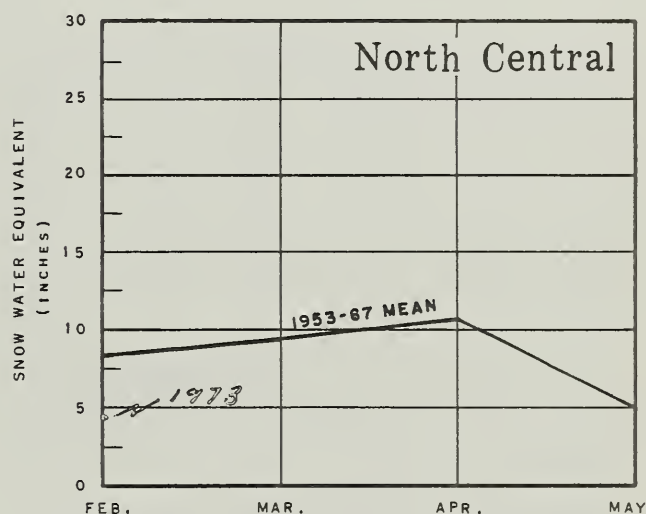
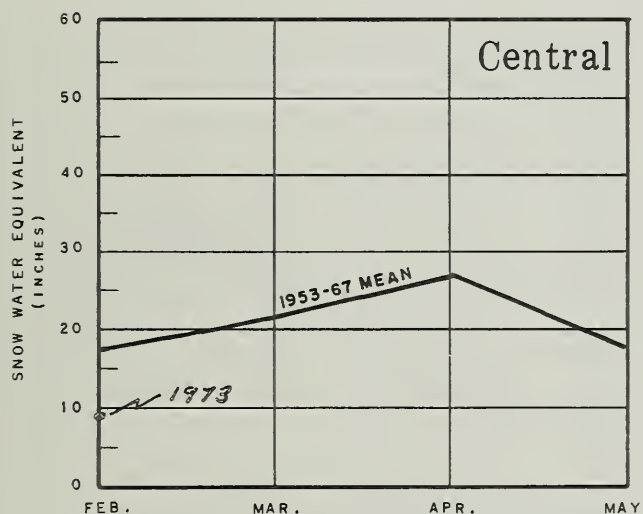
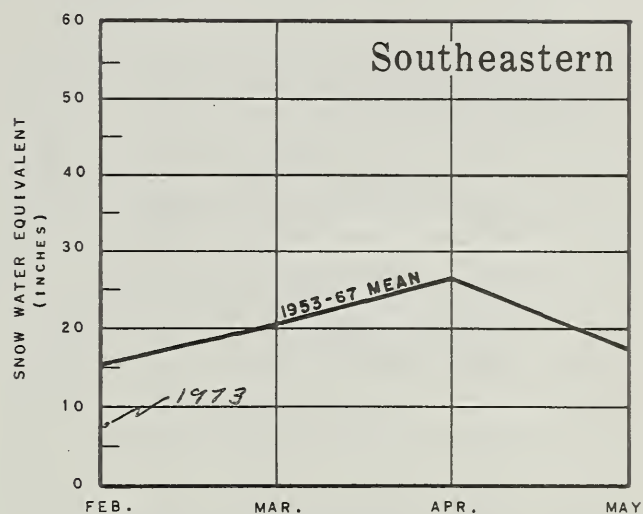
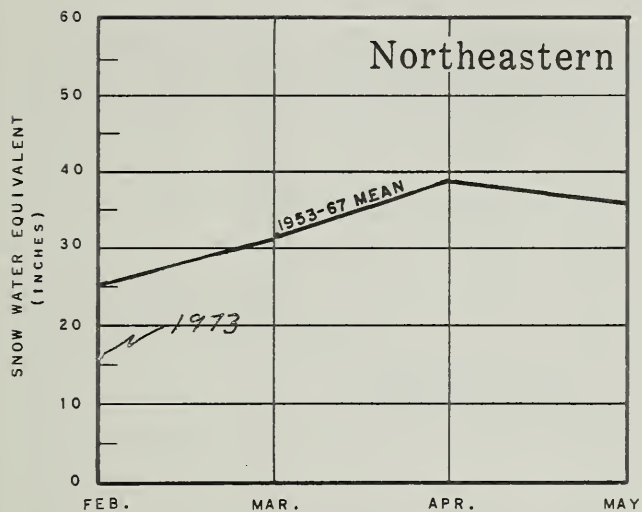
| | |
|--------------------------|--|
| Northeastern Washington | - Lower Spokane, Colville, Sanpoil and lower Kettle drainages. |
| Southeastern Washington | - Touchet, Tucannon and Palouse drainages. |
| Central Washington | - Yakima, Wenatchee and Chelan drainages. |
| North Central Washington | - Methow and Okanogan drainages. |
| Northwest Slope Cascades | - Puget Sound drainages. |
| Southwest Slope Cascades | - Lower Columbia drainages. |

^{1/} - Preliminary analysis by National Weather Service from data furnished by Meteorological Services of Canada and National Weather Service.

^{2/} - Departure from 15-year (1953-67) drainage division average.

WASHINGTON SNOW COVER

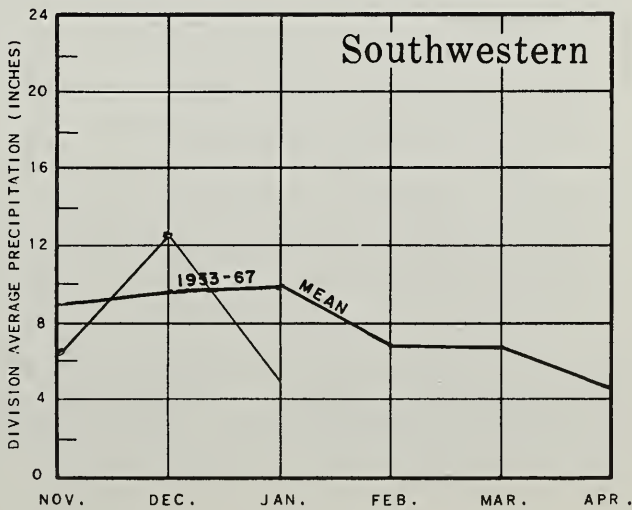
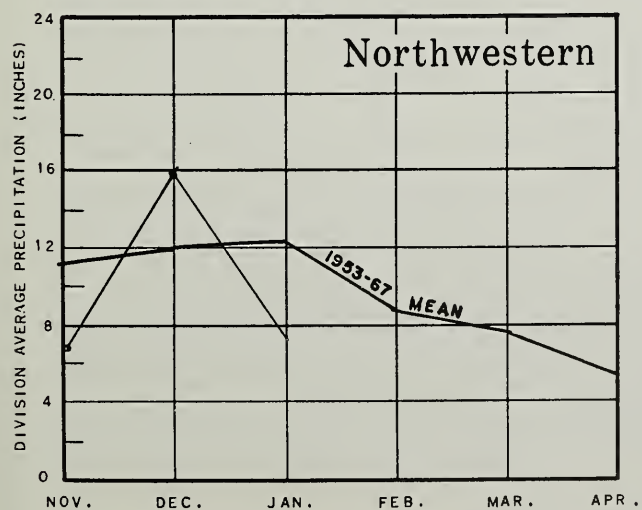
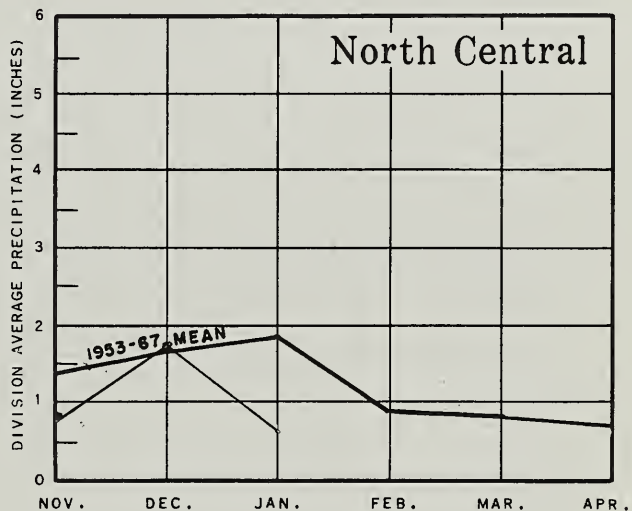
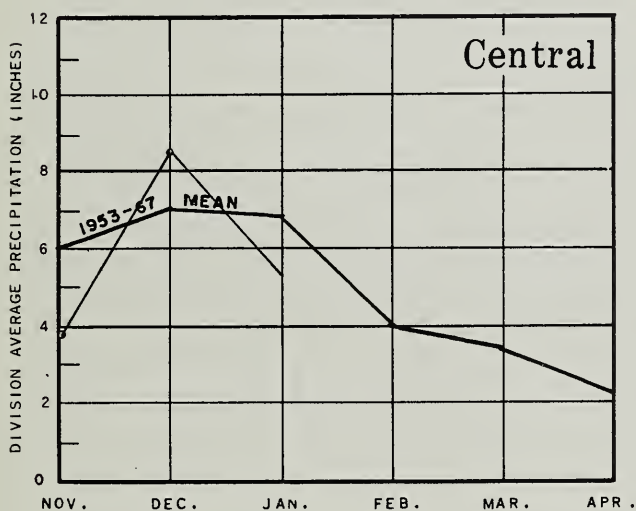
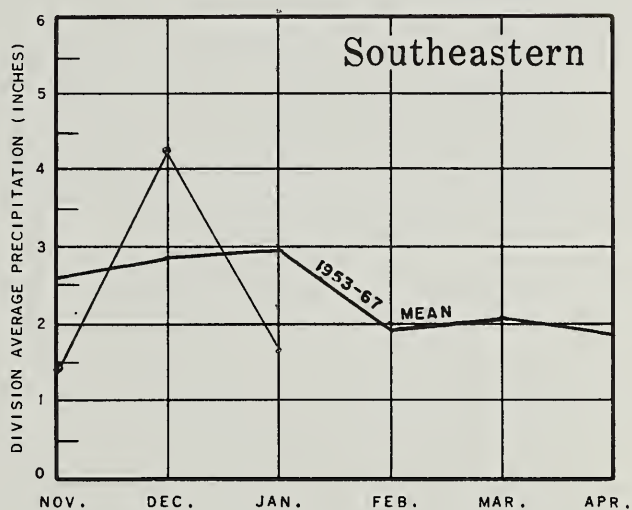
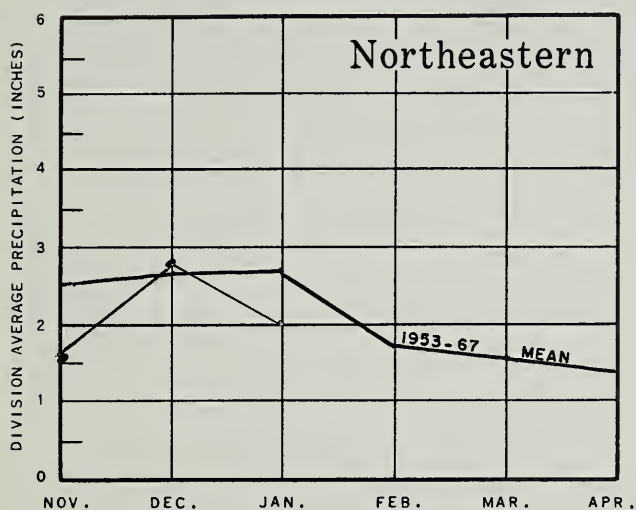
DRAINAGE AREAS



WASHINGTON VALLEY PRECIPITATION

1972-1973

DRAINAGE AREAS



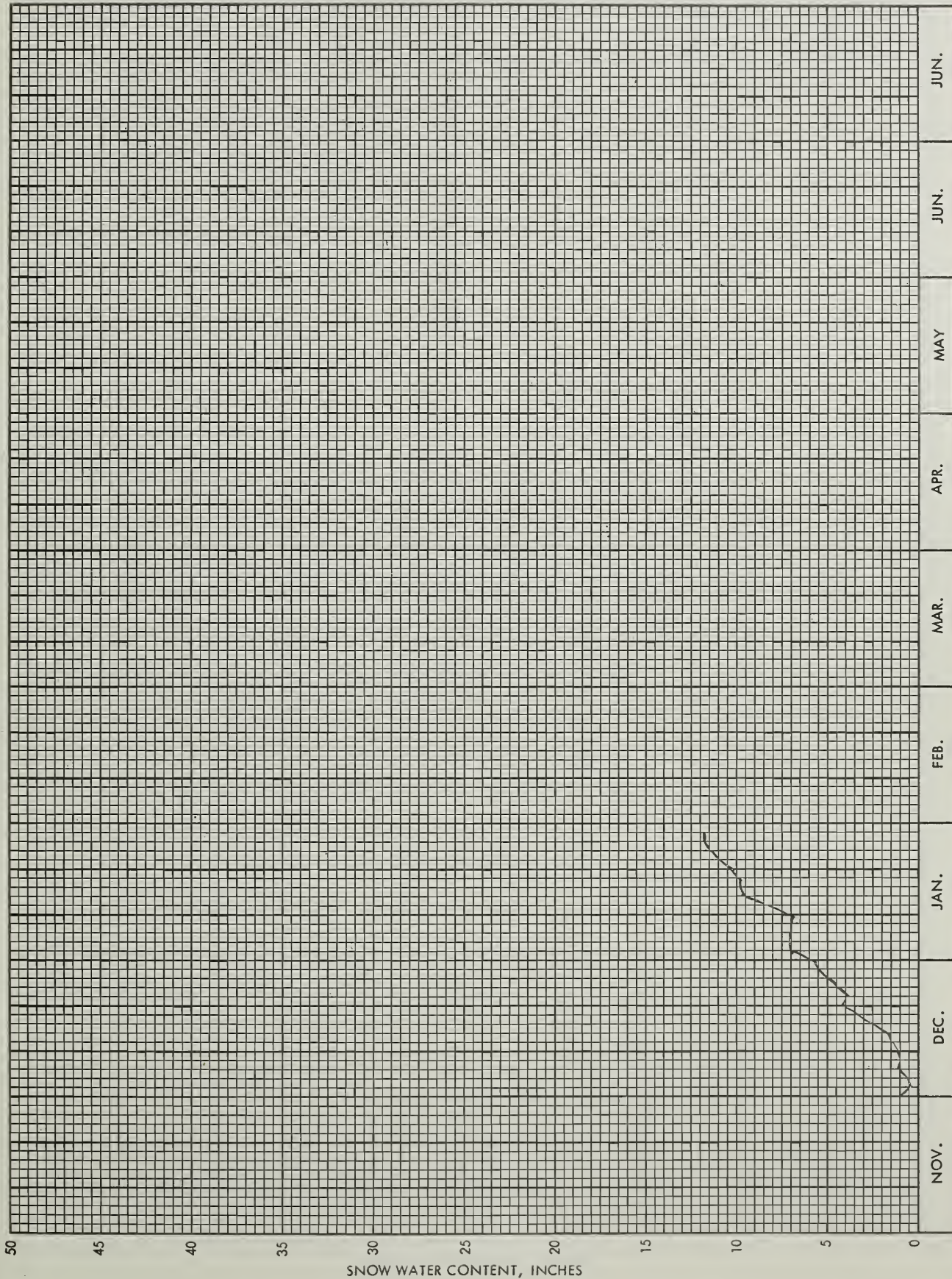
SNOW PILLOW DATA

Berne-Mill Creek

1972-73

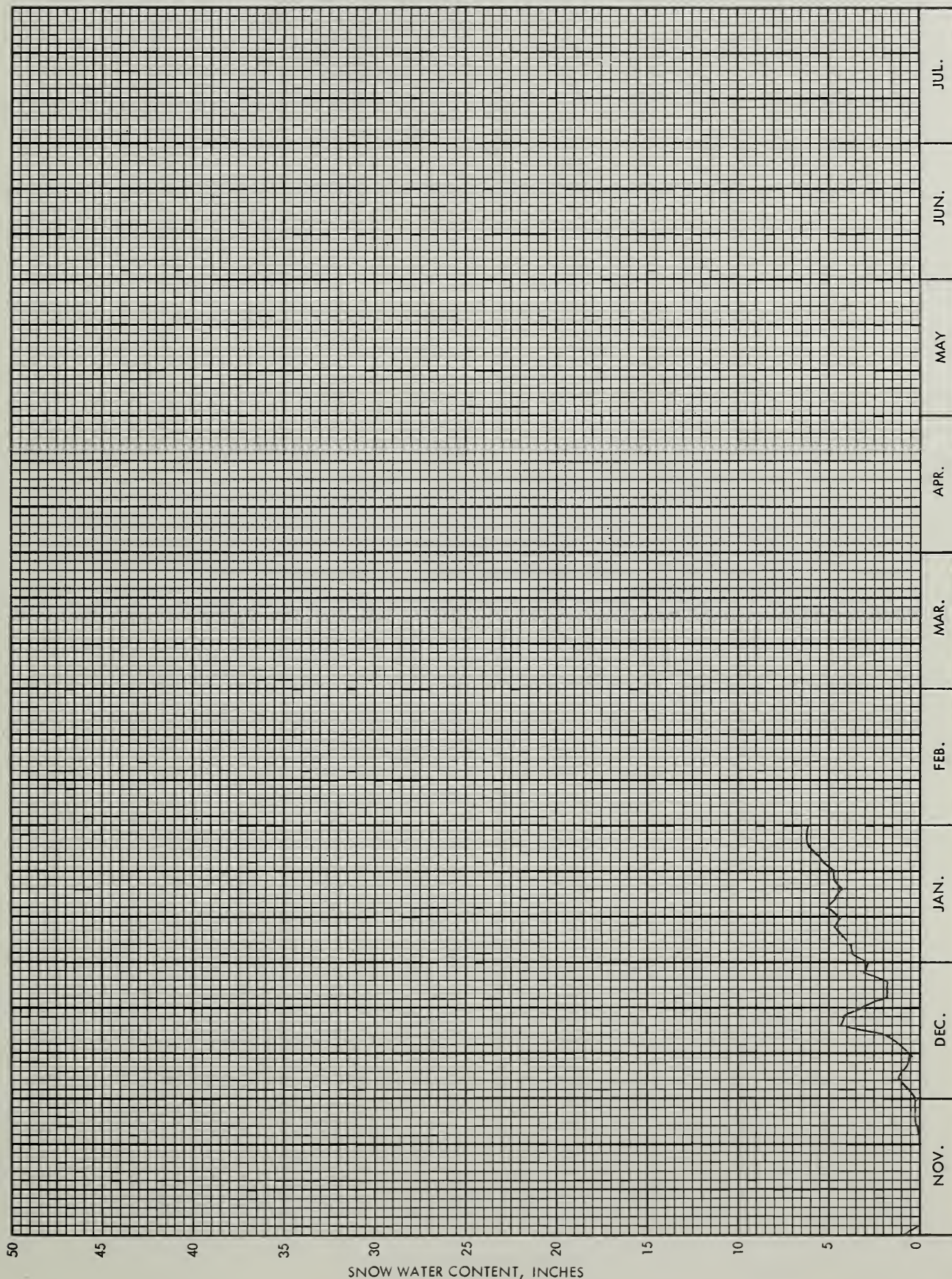
Sec. 13 T. 26N R. 14E No. 21B41SP Drainage: Wenatchee R.

Lat. 47° 45' Long. 121° 42' Elev. 3240



SNOW PILLOW DATA
Cougar Mountain - FS
1972 - 1973

Sec. 21 T. 21N R. 9E No. 21B42SP Drainage: Green River
Lat. 47° 17' Long. 121° 40' Elev. 3200'





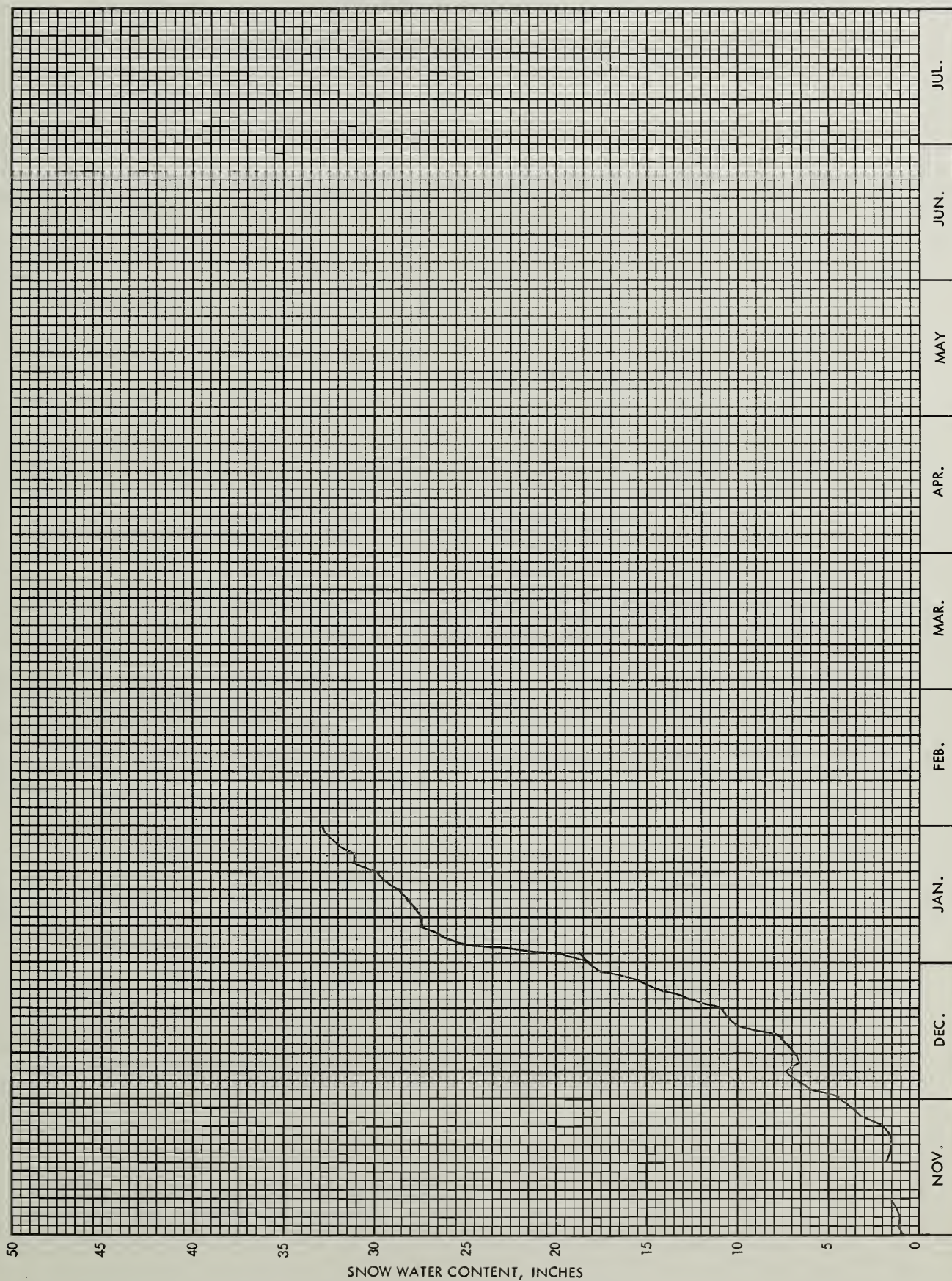
SNOW PILLOW DATA

Snowshoe butte - FS

1972 - 1973

Sec. 28 T. 21N R. 9E No. 21B43SP Drainage: Green River

Lat. 47° 13' Long. 121° 22' Elev. 5000'



SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 1

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |

U P P E R C O L U M B I A D R A I N A G EPEND OREILLE RIVER

| | | | | | | | |
|------------------|-----------|------|--------------|----|------|------|-------|
| Benton Meadow | 16A02 | 2344 | 12/27 | 0 | 0.0 | 3.8 | 3.2 |
| | | | 1/30 | 13 | 1.8 | 5.0 | 5.1 |
| Benton Spring | 16A03 | 4900 | 12/27 | 24 | 5.8 | 11.1 | 8.6 |
| | | | 1/31 | 38 | 11.5 | 18.0 | 14.0 |
| Boyer Mountain | 17A02 | 5250 | Not Measured | | | 14.4 | - |
| Chewelah | 17A04 | 4925 | 1/27 | 35 | 9.0 | 11.0 | 13.2 |
| Heart Lake Trail | 14C10 | 4800 | 1/3 | 19 | 3.8 | 15.2 | - |
| | | | 1/30 | 28 | 7.2 | 29.6 | - |
| Hoodoo Basin | 15C10 | 6000 | 1/3 | 65 | 18.1 | 28.5 | 19.8 |
| | | | 1/30 | 85 | 28.8 | 52.2 | - |
| Hoodoo Creek | 15C01 | 5900 | 1/3 | 64 | 17.1 | 27.5 | 18.0 |
| | | | 1/30 | 81 | 26.4 | 51.5 | 32.0 |
| Lookout | 15B02 | 5250 | 12/29 | 42 | 10.5 | 19.4 | 15.7 |
| | | | 1/31 | 53 | 16.7 | 39.3 | 25.0 |
| Nelson | 19-Canada | 3050 | 10/31 | 8 | 0.9 | - | - |
| | | | 11/14 | 3 | 0.8 | 2.7 | - |
| | | | 11/29 | 10 | 1.6 | - | - |
| | | | 12/14 | 11 | 1.8 | 5.0 | - |
| | | | 12/29 | 19 | 4.6 | 10.2 | - |
| | | | 1/12 | 27 | 6.0 | 13.7 | - |
| | | | 1/31 | 36 | 9.6 | 15.0 | 11.4* |
| Schweitzer Bowl | 16A06 | 4500 | 12/27 | 44 | 9.7 | 18.8 | - |
| | | | 1/30 | 61 | 17.2 | 28.8 | - |
| Schweitzer Ridge | 16A05 | 6100 | 12/27 | 58 | 15.3 | 26.7 | - |
| | | | 1/30 | 83 | 26.3 | 40.0 | - |
| Winchester Creek | 17A03 | 2970 | 1/26 | 21 | 6.0 | 9.2 | 9.2 |

KETTLE RIVER

| | | | | | | | |
|---------------|------------|------|-------|----|------|------|------|
| Barnes Creek | 90-Canada | 5300 | 1/30 | 43 | 10.8 | 19.2 | - |
| Big White Mtn | 154-Canada | 5500 | 1/30 | 39 | 15.4 | 15.4 | - |
| Boulder Road | 18A02 | 1450 | 12/27 | 0 | 0.0 | 3.4 | 2.1 |
| | | | 1/29 | 6 | 1.1 | 4.3 | 4.1 |
| Butte Creek | 18A03 | 4070 | 12/27 | 17 | 3.0 | 3.9 | 4.3 |
| | | | 1/29 | 26 | 5.4 | 8.4 | 6.6 |
| Cabin Creek | 18A08 | 3170 | 12/27 | 0 | 0.0 | 4.3 | 4.2 |
| | | | 1/29 | 18 | 3.7 | 7.2 | 6.0 |
| Carmi | 126-Canada | 4100 | 1/30 | 14 | 2.2 | 7.6 | 5.6* |

Average based on 1953-67 average

* Average for years of record

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 2

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |

KETTLE RIVER (Cont.)

| | | | | | | | |
|----------------------|------------|------|-------|----|------|------------|-------|
| Farron # 1 | 17-Canada | 4000 | 1/30 | 32 | 8.0 | 11.6 | 9.7* |
| Farron # 2 | 243-Canada | 4000 | 1/30 | 33 | 7.8 | New Course | |
| Goat Creek | 18A04 | 3595 | 12/27 | 12 | 2.1 | 3.6 | 3.7 |
| | | | 1/29 | 20 | 4.0 | 7.0 | 5.5 |
| Graystoke Lake | 5-Canada | 5950 | 1/27 | 40 | 11.7 | - | - |
| | | | 12/28 | 48 | 6.0 | 9.3 | |
| Monashee Pass | 48A-Canada | 4500 | 1/30 | 33 | 8.3 | 13.8 | 9.8* |
| | | | 1/29 | 66 | 19.5 | 20.5 | 18.7* |
| Snow Caps Creek | 18A05 | 2150 | 12/27 | 0 | 0.0 | 3.5 | 2.3 |
| | | | 1/29 | 8 | 1.5 | 5.0 | 4.3 |
| Snow Caps Trail | 18A06 | 2720 | 12/27 | 0 | 0.0 | 4.1 | 3.0 |
| | | | 1/29 | 13 | 2.1 | 6.9 | 4.9 |
| Summit G. S. | 18A07 | 4600 | 12/27 | 15 | 2.7 | - | 4.3 |
| | | | 1/29 | 23 | 4.7 | - | 6.7 |
| Trapping Creek Lower | 166-Can | 3050 | 1/30 | 11 | 1.2 | 6.8 | 4.8* |
| Trapping Creek Upper | 165-Can | 4450 | 1/30 | 25 | 6.0 | 9.8 | 7.6* |

COLVILLE RIVER

| | | | | | | | |
|-------------------|-------|------|------|----|-----|------|------|
| Baird | 17A6 | 3215 | 1/28 | 20 | 4.4 | 7.2 | 5.9 |
| Carlson | 18A9 | 2885 | 1/27 | 7 | 1.0 | 3.7 | 4.3 |
| Chewelah | 17A4 | 4925 | 1/27 | 35 | 9.0 | 11.0 | 13.2 |
| Stranger Mountain | 17A5 | 4990 | 1/27 | 29 | 7.1 | 10.2 | 9.8 |
| Togo | 18A10 | 3370 | 1/27 | 17 | 4.3 | 10.8 | 8.6 |

SPOKANE RIVER

| | | | | | | | |
|--------------------|-------|------|-------|----|------|------|------|
| 4Th of July Summit | 16B3 | 3100 | 12/29 | 0 | 0.0 | 9.8 | 3.5 |
| | | | 1/30 | 7 | 0.6 | 12.2 | 6.4 |
| Sherwin | 16C1 | 3200 | 12/22 | 6 | 1.3 | 11.4 | - |
| | | | 1/30 | 15 | 4.4 | 18.1 | 10.4 |
| Lookout | 15B02 | 5250 | 12/29 | 42 | 10.5 | 19.4 | 15.7 |
| | | | 1/31 | 53 | 16.7 | 39.3 | 25.0 |
| Above Burke | 15B8 | 4100 | 1/31 | 30 | 9.0 | 18.6 | - |
| Copper Ridge | 16B2 | 4800 | 1/30 | 30 | 9.2 | - | - |

OKANOGAN RIVER

| | | | | | | | |
|----------------|------------|------|-------|----|------|------|-------|
| Aberdeen Lake | 6-Canada | 4300 | 2/1 | 16 | 3.3 | 6.6 | 5.1* |
| Blackwall Peak | 100-Canada | 6250 | 12/29 | 64 | 15.4 | 21.2 | - |
| | | | 2/1 | 61 | 19.7 | 39.4 | 25.7* |
| Bouleau Lake | 234-Canada | 4580 | 12/31 | 31 | 4.8 | 13.8 | - |
| | | | 1/28 | 34 | 3.3 | 15.6 | - |
| Brenda Mine | 193-Canada | 4800 | 1/26 | 29 | 7.7 | 15.2 | 10.5* |

Average based on 1953-67 average

* Average for years of record

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 3

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|-----------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |
| <u>OKANOGAN RIVER (Cont.)</u> | | | | | | | |
| Brookmere | 27-Canada | 3200 | 1/29 | 17 | 2.9 | 9.6 | 7.3* |
| Carrs Landing Lower | 167-Can | 2250 | 12/30 | 2 | 0.2 | 3.4 | - |
| | | | 1/28 | 0 | 0.0 | 4.8 | 2.6* |
| Carrs Landing Upper | 168-Can | 3200 | 12/30 | 3 | 0.3 | 4.4 | - |
| | | | 1/28 | 7 | 1.1 | 5.4 | 4.3* |
| Clark + | 19A8a | 7000 | Not Measured | | | - | - |
| Enderby | 130-Can | 4300 | 1/29 | 75 | 23.6 | 29.1 | 24.8* |
| Esperon Creek Lower | 164-Can | 4400 | 1/28 | 25 | 6.2 | - | - |
| Esperon Creek Middle | 163-Can | 4700 | 1/28 | 34 | 6.9 | - | - |
| Esperon Creek Upper | 162-Can | 5400 | 1/28 | 31 | 7.8 | - | - |
| Freezeout Meadows New | 20A38 | 5000 | 1/28 | 61 | 17.4 | New Course | |
| Graystoke Lake | 5-Can | 5950 | 1/27 | 40 | 11.7 | - | - |
| Hamilton Hill | 107-Can | 4900 | Late Report | | | | 10.6* |
| Harts Pass | 20A05A | 6500 | 1/28 | 89 | 25.9 | 44.3 | 28.2 |
| Horseshoe Basin + | 19A05a | 7000 | 1/30 | 30 | 8.1 | 19.1 | 9.7 |
| Isontok Lake | 152-Can | 6300 | 12/28 | 16 | 3.0 | 7.7 | - |
| | | | 1/27 | 18 | 4.0 | 12.1 | 6.5* |
| Lost Horse Mtn | 105-Can | 6300 | 1/30 | 22 | 4.8 | 13.2 | 6.9* |
| Loup Loup | 19A07 | 4650 | 1/31 | 24 | 5.2 | 10.9 | 6.6 |
| McCulloch | 4-Can | 4200 | 12/28 | 14 | 2.2 | 5.0 | - |
| Missizula Mtn. | 106-Can | 5100 | Late Report | | | | 6.5* |
| Mission Creek | 5A-Can | 6000 | 12/28 | 38 | 7.8 | 13.4 | - |
| | | | 1/29 | 37 | 10.3 | 18.3 | 13.8* |
| Monahsee Pass | 48A-Can | 4500 | 12/28 | 48 | 6.0 | 9.3 | - |
| | | | 1/30 | 33 | 8.3 | 13.8 | 9.8* |
| Mount Kobau | 156-Can | 5950 | 2/1 | 22 | 5.0 | 13.3 | 11.5* |
| Muckamuck + | 19A09a | 6390 | Not Measured | | | - | - |
| Mutton Creek No. 1 | 19A01 | 5700 | 1/29 | 31 | 7.4 | 18.7 | 9.7 |
| Mutton Creek No. 2 | 19A04 | 6000 | 1/29 | 29 | 7.4 | 16.7 | 10.1 |
| Mutton Creek No. 2SP | 19A11SP | 6000 | 1/29 | - | 5.2 | New Installation | |
| New Copper Mtn. | 46A-Can | 4300 | 1/25 | 13 | 2.0 | 10.9 | 5.7* |
| New Penticton Res. #2 | 183-Can | 5225 | 1/28 | 19 | 2.8 | 10.6 | - |
| Oyama Lake | 203-Can | 4400 | 1/29 | 18 | 4.3 | 7.6 | 6.1* |
| Paysayten + | 20A28a | 4300 | 1/30 | 30 | 9.0 | - | 11.6 |
| Postill Lake | 55-Can | 4500 | 1/30 | 20 | 4.1 | 8.5 | 10.0* |
| Rusty Creek | 19A03 | 4000 | 1/30 | 16 | 3.2 | 8.0 | 5.6 |
| Salmon Meadows | 19A02 | 4500 | 1/29 | 23 | 4.6 | 12.1 | 7.3 |
| Silver Star Mountain | 99-Can | 6050 | 1/2 | 50 | 13.0 | 19.8 | - |
| | | | 1/28 | 51 | 15.3 | 27.5 | 19.0* |
| Starvation Mountain + | 19A10a | 6750 | Not Measured | | | - | - |
| Summerland Reservoir | 3A-Can | 4200 | 12/29 | 15 | 2.8 | 7.8 | - |
| | | | 1/28 | 20 | 4.5 | 12.1 | 8.1* |

Average based on 1953-67 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 4

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|----------------------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average [#] |

OKANOGAN RIVER (Cont.)

| | | | | | | | |
|--------------------|---------|------|-------|----|------|------|------|
| Touts Coulee | 19A06 | 2845 | 1/30 | 5 | 1.0 | 5.4 | 3.1 |
| Trout Creek | 3-Can | 4700 | 1/26 | 19 | 3.5 | 11.5 | 5.2* |
| Vaseux Creek | 233-Can | 4600 | 12/29 | 12 | 1.8 | 3.9 | - |
| | | | | | | 8.2 | - |
| White Rocks Mtn. | 70-Can | 6000 | 1/30 | 43 | 12.2 | 21.8 | - |
| Dollar Watch + | 20A29a | 7000 | 1/30 | 54 | 14.6 | 24.8 | 18.4 |
| Harts Pass | 20A05A | 6500 | 1/28 | 89 | 25.9 | 44.3 | 28.2 |
| Horseshoe Basin + | 19A05A | 7000 | 1/30 | 30 | 8.1 | 19.1 | 9.7 |
| Loup Loup | 19A07 | 4650 | 1/31 | 24 | 5.2 | 10.9 | 6.6 |
| Mutton Creek No. 1 | 19A01 | 5700 | 1/29 | 31 | 7.4 | 18.7 | 9.7 |
| Mutton Creek No. 2 | 19A04 | 6000 | 1/29 | 29 | 7.4 | 16.7 | 10.1 |
| Rusty Creek | 19A03 | 4000 | 1/30 | 16 | 3.2 | 8.0 | 5.6 |
| Salmon Meadows | 19A02 | 4500 | 1/29 | 23 | 4.6 | 12.1 | 7.3 |
| War Creek Pass + | 20A31a | 6500 | 1/30 | 84 | 23.5 | 41.2 | - |

CHELAN LAKE BASIN

| | | | | | | | |
|-------------------|--------|------|------|-----|------|------|------|
| Cloudy Pass + | 20A22a | 6500 | 1/30 | 74 | 22.2 | 40.3 | 29.4 |
| Greenwood Flat + | 20A25a | 3540 | 1/30 | 51 | 15.3 | - | 21.6 |
| Little Meadows + | 20A24a | 5275 | 1/30 | 74 | 22.2 | 38.9 | 29.9 |
| Lyman Lake + | 20A23A | 5900 | 1/30 | 130 | 39.0 | - | 38.9 |
| Park Creek Flat + | 20A13a | 2220 | 1/30 | 65 | 19.5 | 35.0 | 27.8 |
| Park Creek Ridge | 20A12A | 4600 | 1/30 | 95 | 28.5 | 61.0 | 35.3 |
| Petersons + | 20A16a | 3730 | 1/30 | 72 | 21.6 | 39.6 | 26.2 |
| Rainy Pass | 20A09 | 3730 | 1/27 | 88 | 26.0 | 43.8 | 27.5 |
| Safety Harbor + | 20A30A | 6300 | 1/30 | 57 | 15.4 | 29.7 | - |
| War Creek Pass + | 20A31a | 6500 | 1/30 | 84 | 23.5 | 41.2 | - |

ENTIAT RIVER

| | | | | | | | |
|----------------------|--------|------|------|-----|------|------------|------|
| Blue Creek G. S. | 20B28a | 4800 | 1/29 | 78 | 24.5 | New Aerial | |
| Entiat Meadows + | 20A33a | 4800 | 1/29 | 84 | 26.4 | 48.3 | - |
| Entiat River Trail + | 20A34a | 3150 | 1/29 | 34 | 9.9 | 26.7 | - |
| Four Mile Ridge + | 20B27a | 7000 | 1/29 | 64 | 20.1 | 34.6 | - |
| Fox Camp + | 20A36a | 6510 | 1/29 | 104 | 32.6 | 49.6 | - |
| Pope Ridge | 20B20 | 4300 | 1/30 | 39 | 11.5 | 22.7 | 14.5 |
| Pugh Ridge | 20A32a | 6400 | 1/29 | 73 | 22.9 | 37.2 | - |
| Shady Pass | 20A37 | 6200 | 1/31 | 59 | 18.5 | - | - |
| Snow Brushy + | 20A35a | 3850 | 1/29 | 73 | 22.9 | 34.7 | - |
| Tommy Creek + | 20B21a | 5300 | 1/29 | 46 | 14.4 | 29.3 | - |

Average based on 1953-67 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 5

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|-----------------|--------------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |
| <u>WENATCHEE RIVER</u> | | | | | | | |
| Berne-Mill Creek | 21B23 | 2925 | 11/29 | 7 | 1.4 | 4.9 | 4.8 |
| | | | 12/14 | 15 | 2.3 | 13.8 | 7.3 |
| | | | 12/27 | 23 | 6.9 | 16.7 | 11.4 |
| | | | 1/15 | 38 | 11.8 | 28.1 | 17.1 |
| | | | 1/29 | 46 | 13.9 | 36.2 | 20.7 |
| Berne-Mill Creek New | 21B41SP | 3240 | 11/29 | 6 | 1.0 | 3.8 | - |
| | | | 12/27 | 17 | 4.7 | 17.9 | 10.9 |
| | | | 1/29 | 37 | 10.9 | 28.6 | 19.6 |
| Blewett Pass No. 2 | 20B02 | 4270 | 12/28 | 17 | 4.7 | 13.5 | 6.3 |
| | | | 1/30 | 21 | 5.4 | 27.7 | 11.2 |
| Chiwaukum G. S. | 20B16 | 1810 | 12/14 | 6 | 0.5 | 7.6 | 2.7 |
| | | | 12/27 | 7 | 2.0 | 10.4 | 4.6 |
| | | | 1/15 | 14 | 3.6 | 14.0 | 7.5 |
| | | | 1/29 | 19 | 4.1 | 16.6 | 9.0 |
| Lake Wenatchee | 20B05 | 1970 | 11/29 | 3 | 1.2 | 1.7 | - |
| | | | 12/14 | 8 | 0.6 | 8.4 | 3.7 |
| | | | 12/27 | 8 | 2.6 | 11.3 | 5.8 |
| | | | 1/15 | 22 | 4.9 | 15.3 | 9.6 |
| | | | 1/29 | 24 | 5.4 | 20.4 | 12.0 |
| Leavenworth R. S. | 20B17 | 1127 | 12/11 | 2 | 0.5 | 4.9 | - |
| | | | 1/1 | No Report | | 6.9 | 2.9 |
| | | | 1/12 | 10 | 1.9 | 7.8 | 4.0 |
| | | | 1/31 | 9 | 3.3 | 10.9 | 5.0 |
| Lyman Lake + Merritt | 20A23A 20B18 | 5900 2140 | 1/30 | 130 | 39.0 | - | 38.9 |
| | | | 11/29 | 3 | 0.6 | 1.8 | 2.9 |
| | | | 12/14 | 9 | 0.5 | 9.8 | 4.6 |
| | | | 12/27 | 8 | 2.8 | 12.0 | 8.0 |
| | | | 1/15 | 23 | 5.2 | 17.8 | 12.0 |
| Stevens Pass | 21B01 | 4070 | 1/29 | 29 | 6.7 | 23.0 | 14.1 |
| | | | 10/31 | 8 | 1.1 | 2.4 | - |
| | | | 11/14 | 13 | 2.9 | 6.3 | - |
| | | | 11/29 | 24 | 6.0 | 10.6 | 10.0 |
| | | | 12/14 | 39 | 8.4 | 21.2 | 14.7 |
| | | | 12/27 | 52 | 15.4 | 30.3 | 20.8 |
| | | | 1/15 | 64 | 21.8 | 46.0 | 26.6 |
| | | | 1/29 | 78 | 26.0 | 60.1 | 34.4 |
| Stevens Pass Sand Shed | 21B45 | 3700 | 11/29 | 12 | 2.5 | 5.6 | - |
| | | | 12/14 | 20 | 3.5 | 14.6 | - |
| | | | 12/27 | 35 | 9.1 | 21.1 | - |
| | | | 1/15 | 46 | 14.6 | 32.9 | - |
| | | | 1/29 | 54 | 18.4 | 42.7 | - |

Average based on 1953-67 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 6

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|----------------------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | Number | Elevation | | | | Last Year | Average [#] |
| <u>COLOCKUM CREEK</u> | | | | | | | |
| Colockum Creek Upper | 20B22 | 5300 | 2/1 | 26 | 8.3 | 19.2 | - |
| Colockum Creek Lower | 20B23 | 4300 | 2/1 | 22 | 6.0 | 14.5 | - |
| <u>SQUILCHUCK CREEK</u> | | | | | | | |
| Beehive Springs | 20B03 | 4400 | 1/31 | 16 | 5.3 | 12.5 | 5.1 |
| Scout-A-Vista | 20B04 | 3400 | 1/31 | 19 | 5.8 | 12.2 | 5.4 |
| <u>STEMILT CREEK</u> | | | | | | | |
| Jump-Off | 20B08 | 4450 | 1/31 | 20 | 6.0 | 15.0 | 4.8 |
| Stemilt Slide | 20B06 | 5000 | 1/31 | 36 | 10.0 | 20.1 | 10.0 |
| Upper Wheeler | 20B07 | 4400 | 1/31 | 17 | 6.0 | 17.1 | 6.5 |
| <u>YAKIMA RIVER</u> | | | | | | | |
| Ahtanum R. S. | 21C11 | 3100 | 12/27 | 6 | 1.5 | 6.2 | 3.2 |
| | | | 1/26 | 12 | 4.0 | 10.7 | 5.7 |
| Blewett Pass No. 2 | 20B02 | 4270 | 12/28 | 17 | 4.7 | 13.5 | 6.3 |
| | | | 1/30 | 21 | 5.4 | 27.7 | 11.2 |
| Bumping Lake Old | 21C08 | 3450 | 1/2 | 13 | 3.6 | 9.2 | 6.6 |
| | | | 1/18 | 21 | 6.6 | 14.6 | 10.6 |
| | | | 1/31 | 28 | 8.0 | 18.9 | 12.3 |
| Bumping Lake New | 21C36 | 3400 | 1/2 | 14 | 4.1 | 11.8 | - |
| | | | 1/18 | 27 | 9.1 | 18.4 | 12.4 |
| | | | 1/31 | 29 | 7.0 | 24.9 | 14.9 |
| Cayuse Pass | 21C06 | 5300 | 12/29 | 78 | 23.8 | 51.2 | 34.3 |
| | | | 2/1 | 106 | 38.9 | 89.8 | 56.3 |
| Colockum Pass | 20B09 | 5370 | 1/31 | 39 | 10.6 | 19.7 | 10.5 |
| Cooke Creek | 20B10 | 4123 | 1/31 | 11 | 3.4 | 13.0 | 5.0 |
| Grouse Camp | 20B11 | 5385 | 1/30 | 37 | 10.0 | 22.2 | 12.2 |
| High Creek | 20B12 | 2930 | 1/30 | 13 | 3.0 | 13.1 | 4.6 |
| Joe Lake + | 21B46a | 4624 | 11/23 | 72 | 18.0 | 70.0 | - |
| Green Lake | 21C10 | 6000 | 1/29 | 58 | 18.2 | - | - |
| Lake Cle Elum | 21B14M | 2200 | 10/31 | 0 | 0.0 | 1.9 | - |
| | | | 11/14 | 0 | 0.0 | 0.0 | - |
| | | | 12/14 | 12 | 1.0 | 6.4 | 1.7 |
| | | | 12/29 | 0 | 0.0 | 7.6 | 3.9 |
| | | | 1/11 | 10 | 1.6 | 14.5 | 5.9 |
| | | | 1/29 | 13 | 3.6 | 18.4 | 7.8 |
| Lemah Creek + | 21B47a | 3327 | 1/23 | 57 | 14.2 | 48.0 | - |
| Manashtash | 20C01 | 3935 | 1/29 | 10 | 2.4 | 8.8 | 3.4 |
| Morse Lake | 21C17 | 5400 | 1/29 | 92 | 34.2 | 63.3 | 39.7 |
| Nanum | 20B13 | 3875 | 1/30 | 19 | 4.5 | 15.0 | 6.9 |

Average based on 1953-67 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 7

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |

YAKIMA RIVER (Cont.)

| | | | | | | | |
|----------------------|--------|------|-------|----|------|------|------|
| Olallie Meadows | 21B2 | 3625 | 2/1 | 44 | 14.6 | 59.7 | 30.2 |
| Satus Pass | 20D01 | 4030 | 1/31 | 12 | 3.1 | 13.8 | 8.1 |
| Stampede Pass Pillow | 21B10 | 3860 | 1/1 | - | 11.5 | 16.6 | 16.9 |
| | | | 1/18 | - | 14.8 | 38.6 | 21.4 |
| | | | 2/1 | - | 18.5 | 50.0 | 28.8 |
| Trail Creek | 20B14 | 3360 | 1/31 | 0 | 0.0 | 8.9 | - |
| Tunnel Avenue | 21B08 | 2450 | 10/31 | 0 | 0.0 | 1.8 | - |
| | | | 11/14 | 0 | 0.0 | 0.0 | - |
| | | | 12/14 | 16 | 1.0 | 11.3 | 5.5 |
| | | | 12/29 | 15 | 4.5 | 13.5 | 8.6 |
| | | | 1/11 | 25 | 6.4 | 20.4 | 13.1 |
| Van Epps Pass + | 20B26a | 5925 | 1/29 | 37 | 9.6 | 27.9 | 17.0 |
| | | | 1/23 | 77 | 19.2 | 61.4 | - |
| | | | 1/30 | 12 | 3.9 | 13.8 | 5.9 |
| Walters Flat | 20B15 | 3360 | 1/30 | 12 | 3.9 | 13.8 | 5.9 |
| Waptus Lake + | 21B49a | 3024 | 1/23 | 63 | 15.8 | 53.8 | - |
| White Pass (E. Side) | 21C28 | 4500 | 1/4 | 22 | 5.7 | 17.3 | 11.1 |
| | | | 1/17 | 27 | 8.1 | - | 13.7 |
| | | | 1/30 | 29 | 9.1 | 40.9 | 16.7 |
| White Pass (L. Lake) | 21C27 | 4500 | 1/30 | 30 | 9.4 | 46.9 | 20.6 |

AHTANUM CREEK

| | | | | | | | |
|---------------|-------|------|-------|----|------|------|-----|
| Ahtanum R. S. | 21C11 | 3100 | 12/27 | 6 | 1.5 | 6.2 | 3.2 |
| | | | 1/26 | 12 | 4.0 | 10.7 | 5.7 |
| Green Lake | 21C10 | 6000 | 1/29 | 58 | 18.2 | - | - |

LOWER COLUMBIA DRAINAGEASOTIN CREEK

| | | | | | | | |
|----------------|------|------|------|----|-----|------|---|
| Spruce Springs | 17C4 | 5700 | 1/29 | 31 | 9.4 | 27.6 | - |
|----------------|------|------|------|----|-----|------|---|

MILL CREEK

| | | | | | | | |
|----------------|-------|------|------|---|-----|------|-----|
| Homestead | 17C1 | 4030 | 1/31 | 6 | 1.2 | 14.4 | 5.5 |
| Martin Springs | 17C02 | 4400 | 1/30 | 8 | 1.8 | 19.9 | 8.4 |

KLICKITAT RIVER

| | | | | | | | |
|------------|------|------|------|----|-----|------|-----|
| Satus Pass | 20D1 | 4030 | 1/31 | 12 | 3.1 | 13.8 | 8.1 |
|------------|------|------|------|----|-----|------|-----|

WHITE SALMON RIVER

| | | | | | | | |
|----------------|--------|------|------|----|------|------|------|
| Cultus Creek | 21C12 | 4000 | 1/3 | 34 | 10.3 | 29.7 | 15.4 |
| | | | 1/29 | 54 | 16.4 | 54.4 | 29.4 |
| Surprise Lakes | 21C13A | 4250 | 1/3 | 36 | 10.8 | 35.0 | 18.5 |
| | | | 1/29 | 49 | 15.8 | 66.8 | 32.7 |

Average based on 1953-67 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 8

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |
| <u>WIND RIVER</u> | | | | | | | |
| Old Man Pass | 21D19 | 3100 | 12/29 | 2 | 0.8 | 12.9 | 4.1 |
| | | | 2/1 | 24 | 5.0 | 26.8 | 12.5 |
| <u>LEWIS RIVER</u> | | | | | | | |
| Blue Lake + | 21C22a | 4800 | 1/3 | 88 | 25.5 | 51.0 | 30.1 |
| | | | 1/29 | 108 | 34.6 | 92.5 | 56.0 |
| Bob's Trail | 21C21 | 2200 | 12/29 | 2 | 1.0 | 13.0 | 6.3 |
| | | | 1/29 | 14 | 3.3 | 26.7 | 9.7 |
| Calamity Ridge + | 22D01a | 2500 | 1/3 | 8 | 1.2 | 12.5 | - |
| | | | 1/29 | 1 | 0.2 | 20.4 | - |
| Council Pass + | 21C18a | 4200 | 1/3 | 36 | 10.1 | 28.4 | 18.4 |
| | | | 1/29 | 56 | 17.9 | 56.2 | 27.4 |
| Cultus Creek | 21C12 | 4000 | 1/3 | 34 | 10.3 | 29.7 | 15.4 |
| | | | 1/29 | 54 | 16.4 | 54.4 | 29.4 |
| Divide Meadow + | 21C29a | 5600 | 1/1 | 58 | 16.8 | 33.3 | 24.7 |
| | | | 1/29 | 52 | 16.6 | 71.4 | 39.5 |
| Grand Meadow | 21C25 | 3500 | 1/3 | 14 | 4.1 | 19.1 | 9.7 |
| | | | 1/29 | 31 | 8.4 | 37.1 | 16.9 |
| Lone Pine Shelter | 21C26 | 3800 | 1/3 | 29 | 7.0 | 30.0 | 17.7 |
| | | | 2/1 | 54 | 12.7 | 49.9 | 28.8 |
| Marble Mountain + | 22C05a | 3200 | 12/29 | 12 | 4.0 | 26.6 | 10.5 |
| | | | 1/29 | 21 | 7.1 | 57.1 | 24.4 |
| Mosquito Meadows | 21C19 | 4100 | 1/3 | 32 | 8.6 | 30.6 | 19.2 |
| | | | 2/1 | 52 | 15.3 | 51.9 | 31.8 |
| New Muddy River | 22C06 | 2200 | 12/29 | 0 | 0.0 | 13.0 | 5.8 |
| | | | 2/1 | 8 | 1.7 | 21.6 | 9.9 |
| Old Man Pass | 21C19 | 3100 | 12/29 | 2 | 0.8 | 12.9 | 4.1 |
| | | | 2/1 | 24 | 5.0 | 26.8 | 12.5 |
| Plains of Abraham + | 22C01a | 4400 | 1/3 | 65 | 19.5 | 49.8 | 22.1 |
| | | | 1/29 | 90 | 28.8 | 70.7 | 39.0 |
| Smith Creek Road | 22C04 | 2100 | 12/29 | 0 | 0.0 | 19.6 | 6.5 |
| | | | 2/1 | 20 | 6.0 | 29.0 | 11.9 |
| Spencer Meadow + | 21C20a | 3400 | 12/29 | 11 | 3.2 | 20.6 | 7.8 |
| | | | 1/29 | 31 | 8.4 | 34.3 | 14.3 |
| Surprise Lakes | 21C13A | 4250 | 1/3 | 36 | 10.8 | 35.0 | 18.5 |
| | | | 1/29 | 49 | 15.8 | 66.8 | 32.7 |
| Table Mountain + | 21C24a | 4200 | 1/3 | 42 | 11.8 | 31.3 | 21.1 |
| | | | 1/29 | 64 | 20.5 | 59.2 | 32.1 |
| Timbered Peak + | 21D18a | 3000 | 12/29 | 4 | 1.2 | 19.2 | 7.6 |
| | | | 2/1 | 24 | 6.0 | 25.8 | 12.5 |

Average based on 1953-67 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 9

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |
| <u>COWLITZ RIVER</u> | | | | | | | |
| Cayuse Pass | 21C06 | 5300 | 12/29 | 78 | 23.8 | 51.2 | 34.3 |
| | | | 2/1 | 106 | 38.9 | 89.8 | 56.3 |
| Mosquito Meadows | 21C19 | 4100 | 1/3 | 32 | 8.6 | 30.6 | 19.2 |
| | | | 2/1 | 53 | 15.4 | 51.9 | 31.8 |
| Ohanapecosh | 21C32 | 2200 | 12/29 | 1 | 0.1 | 11.0 | 4.2 |
| | | | 1/29 | 9 | 3.3 | 23.9 | 13.7 |
| Packwood Lake | 21C31 | 2870 | 12/29 | 3 | 0.7 | 11.2 | 4.0 |
| | | | 1/31 | 12 | 2.9 | 26.8 | 8.6 |
| Pigtail Peak | 31C33 | 5900 | 1/1 | 61 | 22.5 | 37.2 | 26.0 |
| | | | 1/30 | 80 | 30.0 | 76.5 | 40.9 |
| Plains of Abraham + | 22C01a | 4400 | 1/3 | 65 | 19.5 | 49.8 | 22.1 |
| | | | 1/29 | 90 | 28.8 | 70.7 | 39.0 |
| Potato Hill | 21C14 | 4500 | 1/3 | 34 | 8.0 | 22.7 | - |
| | | | 2/1 | 41 | 11.5 | 45.6 | 20.8 |
| White Pass (E. Side) | 21C28 | 4500 | 1/4 | 22 | 5.7 | 17.3 | 11.1 |
| | | | 1/30 | 29 | 9.1 | 40.9 | 16.7 |
| White Pass (L. Lake) | 21C27 | 4500 | 12/28 | 17 | 5.7 | 18.9 | 13.3 |
| | | | 1/30 | 30 | 9.4 | 46.9 | 20.6 |
| Willame Creek | 21C30 | 3250 | 12/29 | 15 | 4.0 | 22.0 | 9.6 |
| | | | 1/29 | 31 | 9.4 | 41.8 | 21.4 |

PUGET SOUND DRAINAGENISQUALLY RIVER

| | | | | | | | |
|-------------------|-------|------|-------|----|------|------|------|
| Ghost Forest | 21C04 | 4550 | 12/28 | 40 | 12.8 | 31.5 | 13.1 |
| | | | 1/29 | 52 | 17.3 | 60.0 | 30.7 |
| Longmire | 21C03 | 2760 | 12/28 | 4 | 0.4 | 11.8 | 2.2 |
| | | | 1/29 | 8 | 2.8 | 23.8 | 7.3 |
| New Paradise Park | 21C35 | 5400 | 12/28 | 72 | 22.0 | 46.6 | 22.2 |
| | | | 1/29 | 91 | 34.6 | 85.8 | 46.1 |
| Stem Glade | 21C01 | 5050 | 1/1 | 68 | 20.4 | 40.7 | 24.8 |
| | | | 1/29 | 85 | 30.9 | 84.9 | 47.1 |

WHITE RIVER

| | | | | | | | |
|-------------|-------|------|-------|-----|------|------|------|
| Cayuse Pass | 21C06 | 5300 | 12/29 | 78 | 23.8 | 51.2 | 34.3 |
| | | | 2/1 | 106 | 38.9 | 89.8 | 56.3 |

GREEN RIVER

| | | | | | | | |
|----------|-------|------|-------|---|-----|------|---|
| Airstrip | 21B24 | 1800 | 11/27 | 0 | 0.0 | 0.0 | - |
| | | | 12/29 | 0 | 0.0 | 6.4 | - |
| | | | 1/29 | 5 | 1.6 | 10.1 | - |

Average based on 1953-67 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 10

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|----------------------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | Number | Elevation | | | | Last Year | Average [#] |

GREEN RIVER (Cont.)

| | | | | | | | |
|----------------------|---------|------|--------------|----|------|------|------|
| Charley Creek | 21B25 | 1200 | 11/27 | 0 | 0.0 | 0.0 | - |
| | | | 12/28 | 0 | 0.0 | 4.2 | - |
| | | | 1/29 | 0 | 0.0 | 2.2 | - |
| Cougar Mountain | 21B42SP | 3200 | 12/29 | 13 | 3.4 | 14.8 | - |
| | | | 2/1 | 21 | 6.2 | 31.2 | - |
| | | | | | | | |
| Grass Mtn. No. 2 | 21B27 | 2900 | 11/27 | 1 | 0.2 | 2.0 | 2.7 |
| | | | 12/28 | 10 | 2.1 | 17.0 | 6.0 |
| | | | 1/29 | 17 | 6.0 | 31.1 | 13.6 |
| Grass Mtn. No. 3 | 21B28 | 2100 | 11/27 | 0 | 0.0 | 0.0 | - |
| | | | 12/28 | 4 | 0.5 | 9.8 | - |
| | | | 1/29 | 5 | 1.5 | 15.0 | - |
| Lester Creek | 21B29 | 3100 | 11/27 | 2 | 0.3 | 4.2 | 3.5 |
| | | | 12/29 | 15 | 3.8 | 18.4 | 9.8 |
| | | | 1/29 | 29 | 7.8 | 31.8 | 16.3 |
| Lynn Lake | 21B50 | 4000 | 11/27 | 2 | 0.3 | 2.5 | - |
| | | | 1/1 | 15 | 3.2 | 23.5 | - |
| | | | 1/29 | 7 | 2.2 | 43.2 | - |
| Sawmill Ridge | 21B31 | 4700 | 11/27 | 8 | 1.9 | 7.2 | 8.0 |
| | | | 12/29 | 36 | 8.8 | 24.0 | 12.0 |
| | | | 1/29 | 40 | 13.7 | 49.6 | 27.8 |
| Snowshoe Butte | 21B43SP | 5000 | 12/29 | 54 | 15.4 | 31.4 | - |
| | | | 2/1 | 74 | 27.2 | 72.4 | - |
| | | | | | | | |
| Stampede Pass Pillow | 21B10 | 3860 | Not Measured | | | 7.2 | 7.4 |
| | | | Not Measured | | | 22.8 | 10.8 |
| | | | 1/1 | - | 11.5 | 16.6 | 16.9 |
| | | | 1/18 | - | 14.8 | 38.6 | 21.4 |
| | | | 2/1 | - | 18.5 | 50.0 | 28.8 |
| Twin Camp | 21B30 | 4100 | 11/27 | 4 | 0.7 | 4.7 | 5.3 |
| | | | 12/29 | 24 | 4.7 | 17.5 | 10.8 |
| | | | 1/29 | 25 | 7.7 | 30.0 | 19.3 |

SNOQUALMIE RIVER

| | | | | | | | |
|-----------------|-------|------|-----|----|------|------|------|
| Olallie Meadows | 21B02 | 3625 | 2/1 | 44 | 14.6 | 59.7 | 30.2 |
|-----------------|-------|------|-----|----|------|------|------|

SKYKOMISH RIVER

| | | | | | | | |
|--------------|-------|------|-------|----|------|------|------|
| Stevens Pass | 21B01 | 4070 | 10/31 | 8 | 1.1 | 2.4 | - |
| | | | 11/14 | 13 | 2.9 | 6.3 | - |
| | | | 11/29 | 24 | 6.0 | 10.6 | 10.0 |
| | | | 12/14 | 39 | 8.4 | 21.2 | 14.7 |
| | | | 12/27 | 52 | 15.4 | 30.3 | 20.8 |
| | | | 1/15 | 64 | 21.8 | 46.0 | 26.6 |
| | | | 1/29 | 78 | 26.0 | 60.1 | 34.4 |

Average based on 1953-67 average

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 11

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |

SKYKOMISH RIVER (Cont.)

| | | | | | | | |
|------------------------|-------|------|-------|----|------|------|---|
| Stevens Pass Sand Shed | 21B45 | 4070 | 11/29 | 12 | 2.5 | 5.6 | - |
| | | | 12/14 | 20 | 3.5 | 14.6 | - |
| | | | 12/27 | 35 | 9.1 | 21.1 | - |
| | | | 1/15 | 46 | 14.6 | 32.9 | - |
| | | | 1/29 | 54 | 18.4 | 42.7 | - |

SKAGIT RIVER

| | | | | | | | |
|-----------------------|---------|------|------|-----|------|------------|-------|
| Beaver Creek Trail | 21A04 | 2200 | 1/29 | 19 | 6.6 | 16.0 | - |
| Beaver Pass | 21A01 | 3680 | 1/28 | 47 | 14.0 | 34.6 | - |
| Brown Top Ridge + | 21A28a | 6000 | 1/28 | 116 | 38.6 | 61.0 | - |
| Cloudy Pass + | 20A22a | 6500 | 1/30 | 74 | 22.2 | 40.3 | 29.4 |
| Devils Park | 20A04 | 5900 | 1/28 | 85 | 27.2 | 45.9 | 30.2 |
| Freezeout Creek Trail | 20A01 | 3500 | 1/28 | 27 | 8.0 | 18.2 | - |
| Freezeout Meadows New | 20A38 | 5000 | 1/28 | 61 | 17.4 | New Course | |
| Granite Creek | 21A29A | 3500 | 1/27 | 38 | 10.4 | 22.5 | - |
| Harts Pass | 20A05A | 6500 | 1/28 | 89 | 25.9 | 44.3 | 28.2 |
| Klesilkwa | 35B-Can | 3700 | 2/1 | 24 | 5.0 | - | 10.7* |
| Lake Hozomeen | 21A02 | 2600 | 1/29 | 10 | 2.6 | 12.5 | - |
| Lyman Lake | 20A23A | 5900 | 1/30 | 130 | 39.0 | - | 38.9 |
| Meadow Cabins | 20A08 | 1900 | 1/27 | 9 | 2.8 | 13.0 | - |
| New Hozomeen Lake | 21A30 | 2800 | 1/29 | 19 | 4.8 | 16.0 | - |
| New Tashme | 26A-Can | 2500 | 1/29 | 11 | 4.0 | 20.1 | 8.7* |
| Rainy Pass | 20A09 | 4780 | 1/27 | 88 | 26.0 | 43.8 | 27.5 |
| Thunder Basin | 20A07 | 4200 | 1/29 | 42 | 11.2 | 27.4 | - |

BAKER RIVER

| | | | | | | | |
|--------------|--------|------|--------------|----|------|------|------|
| Baker Pass + | 21A27a | 4900 | Not Measured | | | | |
| Dock Butte + | 21A11A | 3800 | 10/30 | 12 | 3.6 | | |
| | | | 11/14 | 20 | 6.0 | | |
| | | | 12/4 | 28 | 8.4 | | - |
| | | | 12/15 | 36 | 12.6 | 38.1 | - |
| | | | 1/3 | 70 | 27.0 | 45.5 | - |
| | | | 1/26 | 96 | 41.0 | 70.3 | 46.8 |
| Easy Pass + | 21A7A | 5200 | 10/30 | 2 | 0.6 | | |
| | | | 11/14 | 18 | 5.4 | | |
| | | | 12/4 | 24 | 7.2 | - | - |
| | | | 12/15 | 25 | 8.7 | 33.0 | - |
| | | | 1/3 | 68 | 26.0 | 40.6 | - |
| | | | 1/26 | 88 | 38.0 | 72.6 | 59.0 |

Average based on 1953-67 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 12

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) | |
| NAME | Number | Elevation | | | | Last Year | Average # |
| <u>BAKER RIVER (Cont.)</u> | | | | | | | |
| Jasper Pass + | 21A6A | 5400 | 10/30 | 8 | 2.4 | | |
| | | | 11/14 | 28 | 8.4 | | |
| | | | 12/4 | 53 | 15.9 | - | - |
| | | | 12/15 | Not Measured | | 49.5 | - |
| | | | 1/3 | 120 | 46.0 | 57.4 | - |
| | | | 1/15 | Not Measured | | - | 55.7 |
| | | | 1/26 | 148 | 64.0 | 89.3 | 68.5 |
| Marten Lake | 21A09A | 3600 | 10/30 | 12 | 3.6 | | |
| | | | 11/14 | 10 | 3.0 | | |
| | | | 12/4 | 40 | 12.0 | - | - |
| | | | 12/15 | 46 | 16.1 | | |
| | | | 1/3 | 88 | 33.0 | 57.0 | - |
| | | | 1/15 | Not Measured | | - | 50.9 |
| | | | 1/26 | 118 | 51.0 | 82.1 | 56.4 |
| Mt. Blum + | 21A18a | 5800 | 10/30 | 4 | 1.2 | | |
| | | | 11/14 | 12 | 3.6 | | |
| | | | 12/4 | 29 | 8.7 | - | - |
| | | | 12/15 | N/A Windy | | 35.1 | - |
| | | | 1/3 | 100 | 38.0 | 41.6 | - |
| | | | 1/26 | 108 | 46.0 | 54.7 | 46.5 |
| | | | 1/15 | 81 | 30.7 | 53.7 | - |
| Panorama New | 21A26 | 4300 | 1/29 | 102 | 35.7 | 71.3 | - |
| | | | | | | | |
| Rocky Creek | 21A12A | 2100 | 10/30 | 15 | 4.5 | | |
| | | | 11/14 | 0 | 0.0 | | |
| | | | 12/4 | 2 | 0.6 | | |
| | | | 12/15 | 18 | 6.3 | 20.4 | - |
| | | | 1/3 | 23 | 9.0 | 26.2 | - |
| | | | 1/26 | 96 | 41.0 | 44.5 | 19.6 |
| | | | | | | | |
| Schreibers Meadow | 21A10A | 3400 | 10/30 | 3 | 0.9 | | |
| | | | 11/14 | 4 | 1.2 | | |
| | | | 12/4 | 12 | 3.6 | - | - |
| | | | 12/15 | 22 | 7.7 | 30.0 | - |
| | | | 1/3 | 48 | 18.0 | 41.3 | - |
| | | | 1/26 | 72 | 31.0 | 56.2 | 42.5 |
| | | | | | | | |
| S. F. Thunder Creek + | 21A14A | 2200 | 10/30 | 2 | 0.6 | | |
| | | | 11/14 | 0 | 0.0 | | |
| | | | 12/4 | 1 | 0.3 | | |
| | | | 12/15 | 6 | 2.1 | - | - |
| | | | 1/3 | 8 | 3.0 | 14.0 | - |
| | | | 1/26 | 6 | 3.0 | 22.8 | 4.6 |
| | | | | | | | |

Average based on 1953-67 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO FEBRUARY 1, 1973 - APPENDIX 13

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--------|-----------|----------------|---------------------|------------------------|------------------------|----------------------|
| | | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | Number | Elevation | | | | Last Year | Average [#] |

BAKER RIVER (Cont.)

| | | | | | | | |
|--------------|--------|------|-------|-----|-------|------|------|
| Watson Lakes | 21A08A | 4500 | 10/30 | 10 | 3.0 | | |
| | | | 11/14 | 12 | 3.6 | | |
| | | | 12/4 | 32 | 9.6 | | |
| | | | 12/15 | N/A | Windy | 35.4 | - |
| | | | 1/3 | 62 | 24.0 | 46.9 | - |
| | | | 1/26 | 86 | 37.0 | 68.4 | 46.0 |

NOOKSACK RIVER

| | | | | | | | |
|---------------|-------|------|------|-----|------|------|---|
| Glacier Creek | 21A23 | 3700 | 12/1 | 0 | 0.0 | 4.1 | - |
| | | | 1/3 | 22 | 5.4 | 15.6 | - |
| | | | 2/2 | 33 | 7.9 | 32.8 | - |
| Panorama New | 21A26 | 4300 | 1/15 | 81 | 30.7 | 53.7 | - |
| | | | 1/29 | 102 | 35.7 | 71.3 | - |

OLYMPIC PENINSULA

DUNGENESS RIVER

| | | | | | | | |
|-----------|-------|------|------|----|------|------|------|
| Deer Park | 23B04 | 5200 | 1/31 | 43 | 13.3 | 24.6 | 16.3 |
|-----------|-------|------|------|----|------|------|------|

MORSE CREEK

| | | | | | | | |
|------------|-------|------|------|----|------|------|---|
| Cox Valley | 23B14 | 4500 | 1/28 | 71 | 23.8 | 47.6 | - |
|------------|-------|------|------|----|------|------|---|

ELWHA RIVER

| | | | | | | | |
|-----------|-------|------|------|----|------|------|------|
| Hurricane | 23B03 | 4500 | 1/30 | 45 | 11.7 | 26.5 | 17.5 |
|-----------|-------|------|------|----|------|------|------|

SKOKOMISH RIVER

| | | | | | | | |
|---------------------|-------|------|------|-----|------|------|------|
| Black & White | 23B07 | 4200 | 1/1 | 43 | 12.8 | 24.2 | - |
| | | | 1/27 | 74 | 22.9 | 40.5 | 29.0 |
| Black & White Lakes | 23B06 | 4700 | 1/3 | 65 | 24.7 | 37.6 | - |
| | | | 1/27 | 97 | 36.7 | 61.4 | 41.5 |
| Four Streams | 23B10 | 3000 | 1/3 | 10 | 2.4 | 24.3 | - |
| | | | 1/27 | 35 | 9.4 | 33.2 | 26.7 |
| Home Sweet Home | 23B05 | 5200 | 1/3 | 83 | 28.4 | 48.0 | - |
| | | | 1/27 | 122 | 43.8 | 74.0 | 54.8 |

SOLEDUCK RIVER

| | | | | | | | |
|-----------|-------|------|--------------|--|--|--|--|
| Deer Lake | 23B01 | 3900 | Not Measured | | | | |
|-----------|-------|------|--------------|--|--|--|--|

Average based on 1953-67 average

Agencies Assisting with Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests and Water Resources,
Water Resources Service, British Columbia

States:

Washington State Department of Ecology
Washington State Department of Natural Resources

Federal:

Department of the Army
Corps of Engineers
U. S. Department of Agriculture
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Geological Survey
National Park Service

PUBLIC AND PRIVATE UTILITIES

Chelan County P.U.D.
Pacific Power and Light Company
Puget Sound Power and Light Company
Washington Water Power Company

OTHER PUBLIC AGENCIES

Okanogan Irrigation District
Wenatchee Heights Irrigation District

MUNICIPALITIES

City of Tacoma
City of Seattle

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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